

FIG. 1
(PRIOR ART)

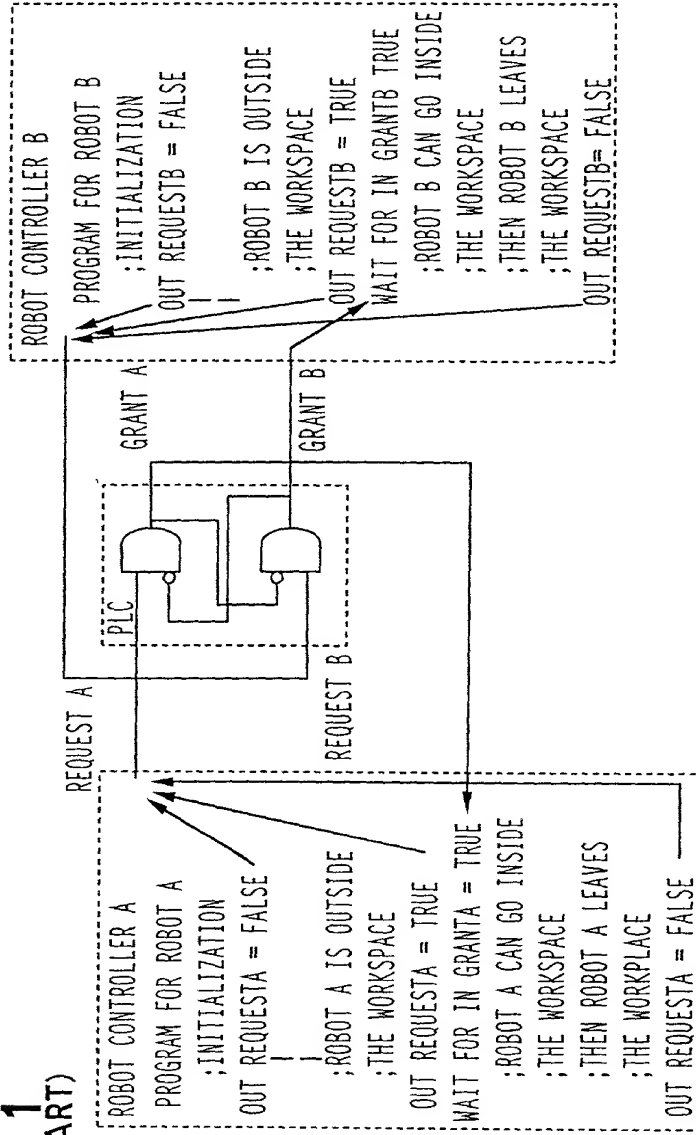


FIG. 4

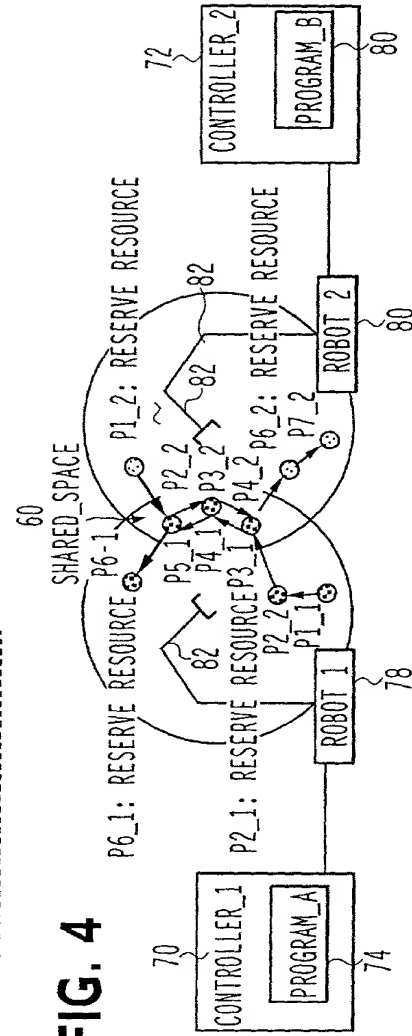


FIG. 2

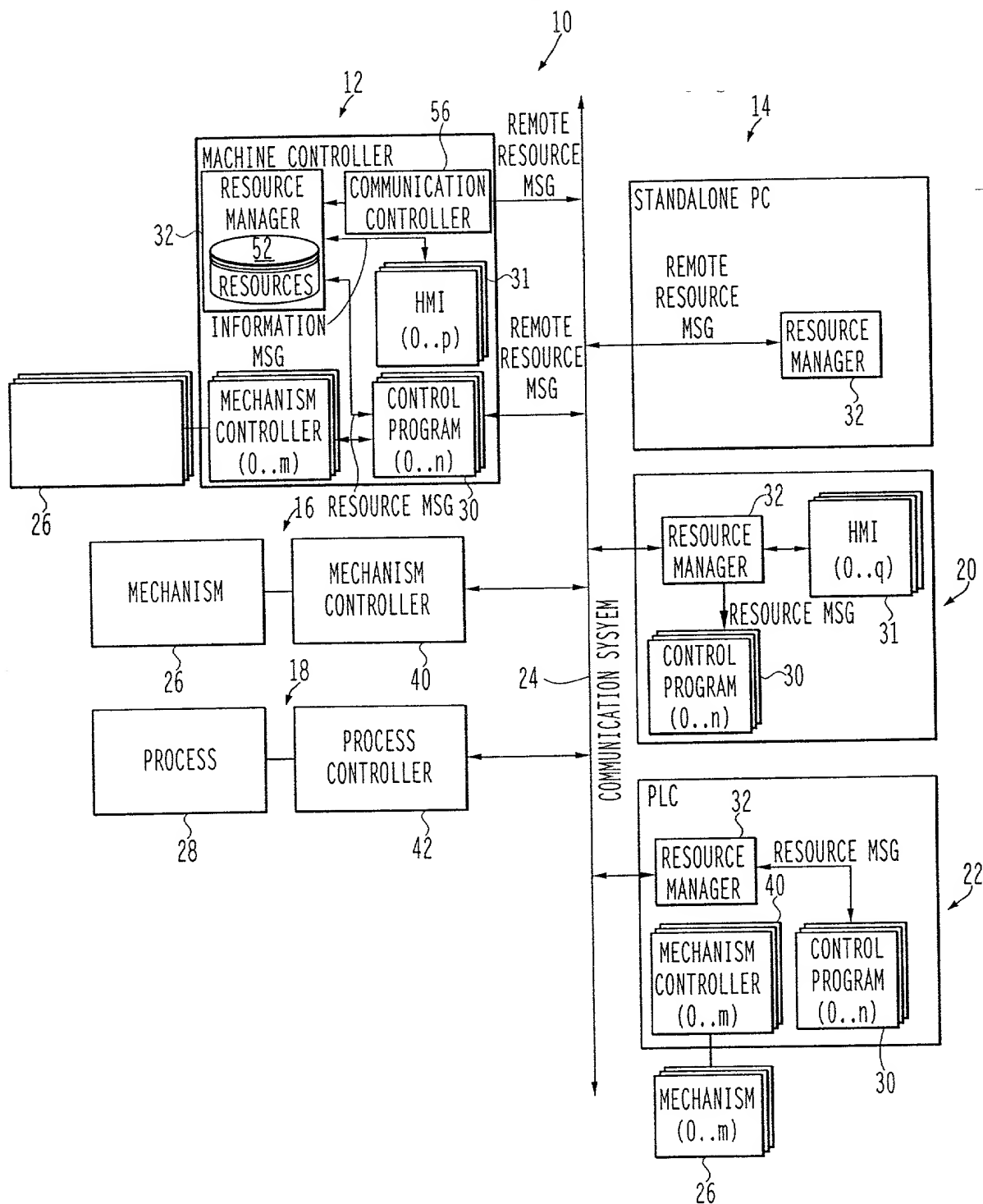


FIG. 3

LIST OF POSSIBLE RESOURCES:

- PHYSICAL WORKSPACE ~ 60
- SHARED I/O ~ 62
- TRANSPORT DEVICES ~ 64
- CHANGEABLE TOOLING ~ 66
- SENSOR SYSTEMS ~ 68
- PROCESS STATIONS ~ 70
- END OF ARM TOOLING ~ 72
- TECHNOLOGY CONTROLLERS ~ 74

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FIG. 5

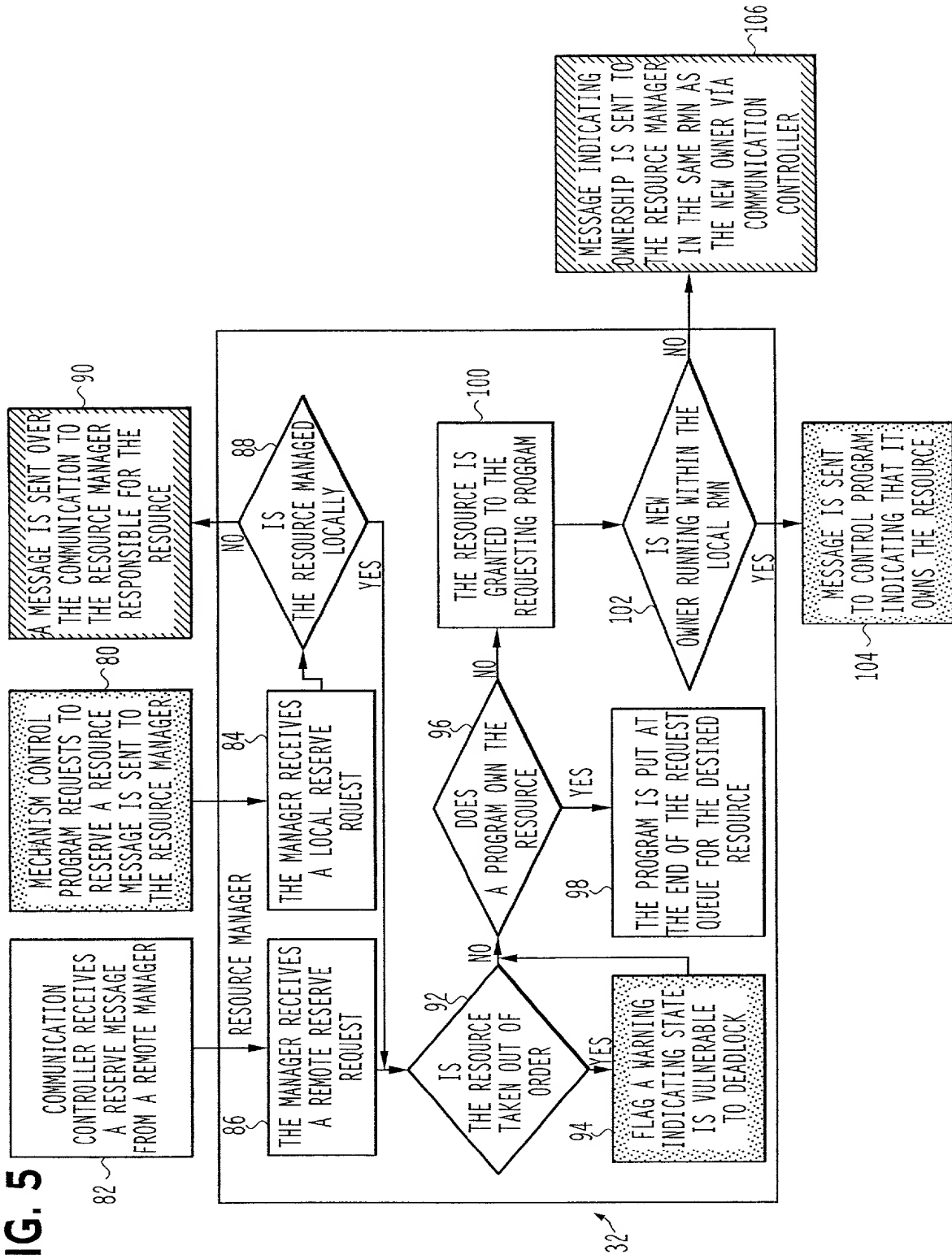


FIG. 6

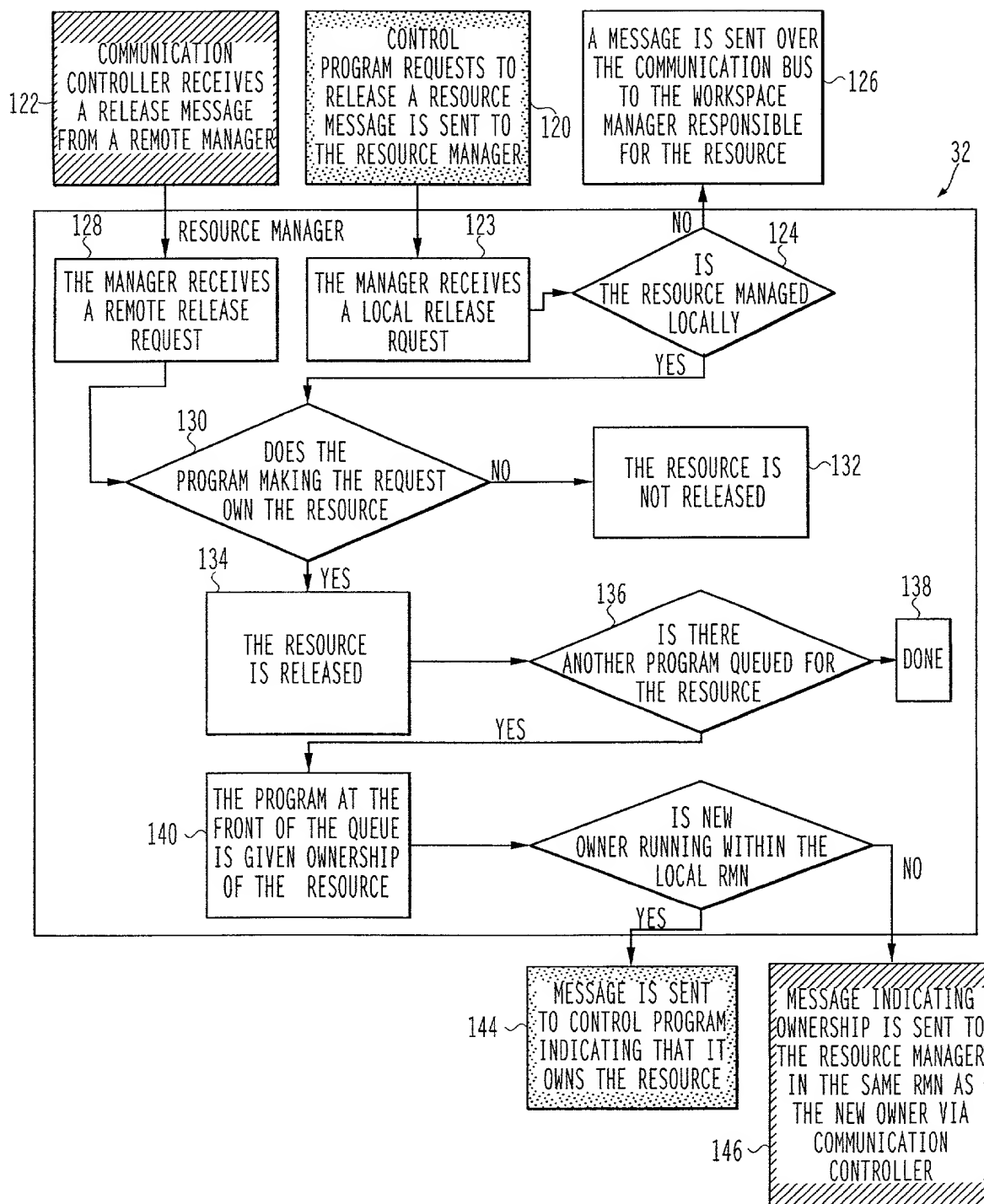
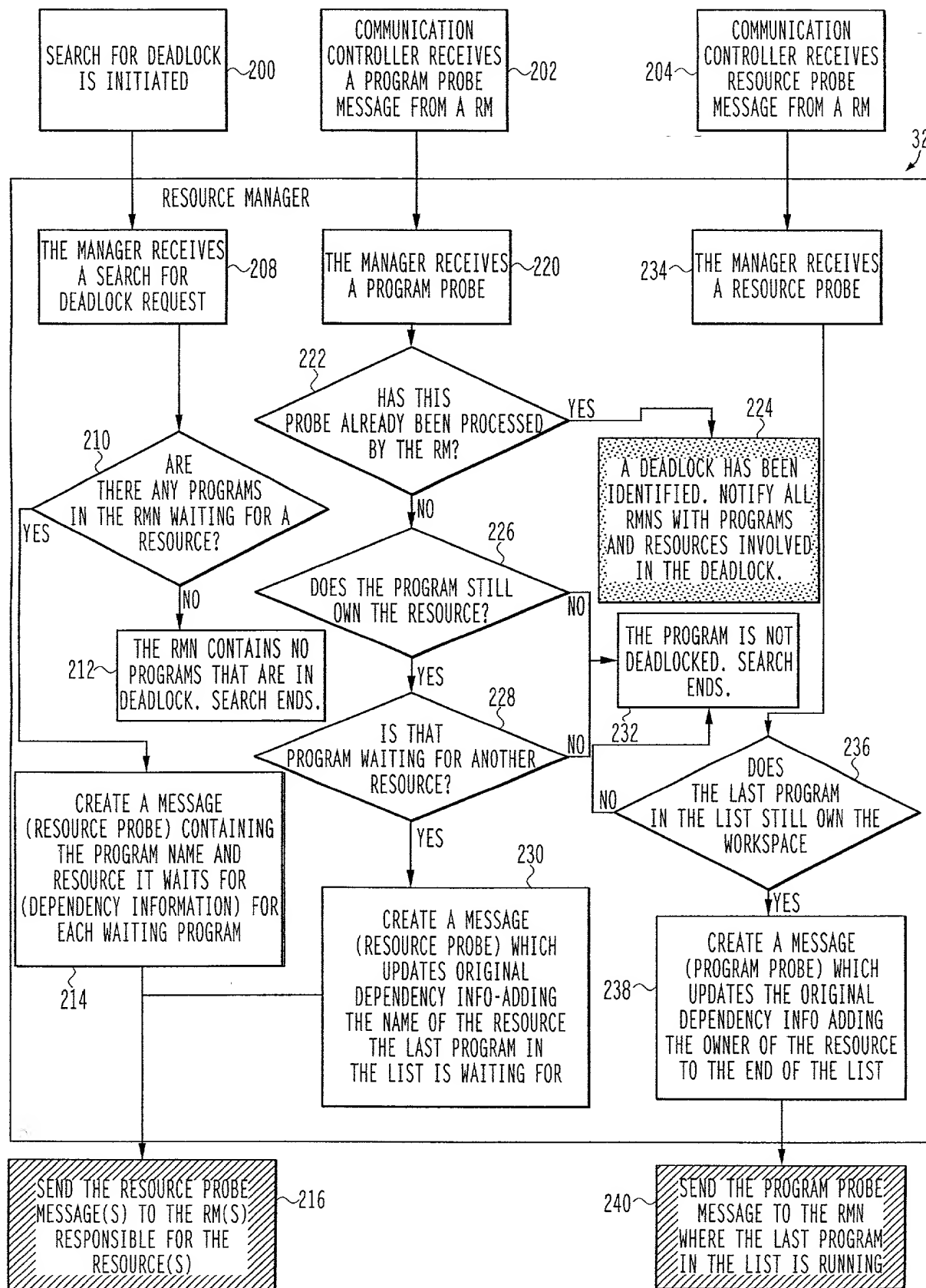


FIG. 7



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